



1636

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE****In re Application of:**

Khan et al.

Serial No.: 10/028,075**Filed:** December 21, 2001**For:** GENE REGULATOR**Confirmation No.:** 1102**Examiner:** J. Dunston**Group Art Unit:** 1636**Attorney Docket No.:** 2183-5223US**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

December 6 2006
Date

Betty Vowles
Name (Type/Print)**COMMUNICATION**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A recent review of the Information Disclosure Statements in the referenced application indicates that some PTO/SB/08 forms have not been initialed and returned. For the convenience of the Examiner, applicants attach Information Disclosure Statements that have not been initialed and returned. Applicants note that some of the references have recently been submitted and, therefore, acknowledge that review of these documents is probably still in progress. However, some references were submitted before the current Examiner had custody of the case. They apparently should have been reviewed and returned to applicant by a prior Examiner.

Applicants request an initialed copy of the attached Information Disclosure Statements.

Respectfully submitted,



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Registration No. 33,041
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Date: December 7, 2006

ACT/bv

Enclosures: Information Disclosure Statements Mailed:

February 4, 2002
October 15, 2002
January 7, 2004
May 11, 2004
June 30, 2006
September 25, 2006
November 9, 2006



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Khan et al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REFULATOR

Examiner: To be assigned

Group Art Unit: 1632

Attorney Docket No.: 2183-5223US

NOTICE OF EXPRESS MAILING

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Date of Deposit with USPS: October 15, 2002

Person making Deposit: Orlena Howell

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
WO 99/59617	11-25-1999	Erasmus Universiteit
WO 97/49721	12-31-1997	University of Maryland

Other Documents

PCT International Search Report, PCT/NL01/00259, dated December 18, 2001, 3 pages.

PCT International Preliminary Examination Report, PCT/NL99/00313, dated July 21, 2000, 6 pages.

PCT International Search Report, PCT/EP99/00313, dated November 29, 1999, 3 pages.

Lang et al., "Induction of apoptosis in Kaposi's sarcoma spindle cell cultures by the subunits of human chorionic gonadotropin", AIDS 1997, Vol. 11, No. 11, pp.1333-1340.

Iskandar et al., "Effects of a urinary factor from women in early pregnancy on HIV-1.

SIV and associated disease", Nature Medicine, April 1998, Vol. 4, No. 4, pp. 428-434.

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56 & 1.175, applicant hereby identifies the following listed copending applications naming the same inventor(s):

Attorney Docket No.: 2183-4618US
Serial No.: 09/716,777
Filing Date: 11/20/2000
For: IMMUNOREGULATOR

Attorney Docket No.: 2183-4799US
Serial No.: 09/821,380
Filing Date: 3/29/2001
For: IMMUNOREGULATOR

Attorney Docket No.: 2183-5223US
Serial No.: 10/028,075
Filing Date: 12/21/2001
For: GENE REGULATOR

Attorney Docket No.: 2183-5526US
Serial No.: To be assigned
Filing Date: 9/30/2002
For: IMMUNOREGULATOR

This Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,



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Salt Lake City, Utah 84110-2550
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Date: October 11, 2002

BLC/bv

Enclosures: Form PTO-1449 or PTO/SB/08
Cited Documents

Document in ProLaw



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Khan et al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REGULATOR

Examiner: To be assigned

Group Art Unit: To be assigned

Attorney Docket No.: 2183-5223US

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail (under 37 C.F.R. § 1.8(a)) on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231.

2-4-02

Date of Deposit

Lynette Elaison
Signature of registered practitioner or other person having reasonable basis to expect mailing to occur on date of deposit shown pursuant to 37 C.F.R. § 1.8(a)(1)(ii)

Lynette Elaison
Typed/printed name of person whose signature is contained above

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08A be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

DOCUMENTS

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Inventor</u>	<u>Issue Date</u>
6,319,504	Gallo et al.	11-20-2001

Other Documents

CONNELLY et al., Biphasic Regulation of NF- κ B Activity Underlies the Pro- and Anti-Inflammatory Actions of Nitric Oxide, The Journal of Immunology, 2001, pp. 3873-81, 166, The American Association of Immunologists, USA.

FRIEDLANDER, Tackling anthrax, Nature, November 8, 2001, pp. 160-61, Vol. 414.

MEDZHITOV, Toll-like Receptors and Innate Immunity, Nature Reviews/Immunology,

November 2001, pp. 135-45, Vol. 1.

Applicants offer to supply any explanation or discussion of the documents that the Examiner feels is necessary or desirable and which is requested.

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,

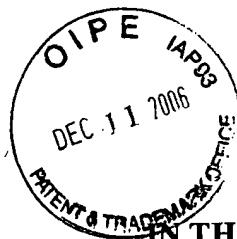


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Date: February 4, 2002

ACT/bv

Enclosures: Form PTO-1449 or PTO/SB/08A
Copy of documents cited



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Khan et al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REGULATOR

Confirmation No.: 1102

Examiner: T. McKelvey

Group Art Unit: 1636

Attorney Docket No.: 2183-5223US

CERTIFICATE OF MAILING

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May 11, 2004
Date



Betty Vowles
Name (Type/Print)

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 5,380,668	01-10-1995	Herron
US - 2003/0186244 A1	10-02-2003	Margus et al.
US - 2003/0113733 A1	06-19-2003	Khan et al.
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US - 2003/0220259 A1	11-27-2003	Benner et al.
US - 2003/0220260 A1	11-27-2003	Khan et al.
US - 2003/0220261 A1	11-27-2003	Khan et al.
US - 2003/0224995 A1	12-04-2003	Khan et al.
US - 2004/0013661 A1	01-22-2004	Wensvoort et al.

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
WO 03/029292 A2	04-10-2003	Erasmus Universiteit Rotterdam

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, Applicants hereby identify the following listed copending applications naming a common inventor(s):

Attorney Docket No.: 3077-6084US
 Serial No.: 10/753,510
 Filing Date: 1/7/2004
 Title: IMMUNOREGULATORY COMPOSITIONS

Serial No.: 10/028,075

Attorney Docket No.: 3077-6420US
Serial No.: 10/821,256
Filing Date: 4/8/2004
Title: COMPOSITIONS CAPABLE OF REDUCING ELEVATED BLOOD UREA CONCENTRATION

Attorney Docket No.: 3077-6384US
Serial No.: 10/821,240
Filing Date: 4/8/2004
Title: METHODS AND USES FOR PROTEIN BREAKDOWN PRODUCTS

This Supplemental Information Disclosure Statement is filed after the mailing date of the first Office Action on the merits.

The fee pursuant to 37 C.F.R. § 1.17(p) is enclosed.

Respectfully submitted,



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Date: May 7, 2004
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Enclosures: Form PTO/SB/08
Copy of documents cited
Check in the amount of \$180.00

Document in ProLaw



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Khan et al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REGULATOR

Confirmation No.: 1102

Examiner: T. McKelvey

Group Art Unit: 1636

Attorney Docket No.: 2183-5223US

NOTICE OF EXPRESS MAILING

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 6,727,227	04-27-2004	Khavinson

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
WO 01/29067	04-26-2001	Obschestvo S Ogranichennoi Otvetstvennosti "Klinika Instituta Bioregulyatsii I Gerontologii"

Other Documents

KACHRA et al., "Low Molecular Weight Components but Not Dimeric HCG Inhibit Growth and Down-Regulate AP-1 Transcription Factor in Kaposi's Sarcoma Cells," *Endocrinology*, 1997, pp. 4038-4041, vol. 138, no. 9.

KHAVINSON et al., "Mechanisms Underlying Geroprotective Effects of Peptides," *Bulletin of Experimental Biology and Medicine*, January 2002, pp. 1-5, Vol. 133, No. 1.

KHAVINSON et al., "Peptide Promotes Overcoming of the Division Limit in Human Somatic Cell," *Bulletin of Experimental Biology and Medicine*, May 2004, pp. 503-506, Vol. 137, No. 5.

MOROZOV et al., "Natural and Synthetic Thymic Peptides as Therapeutics for Immune Dysfunction," *Int. J. Immunopharmac.*, 1997, pp. 501-505, Vol. 19, No. 9/10.

KHAVINSON et al., "Inductive Activity of Retinal Peptides," *Bulletin of Experimental Biology and Medicine*, November 2002, pp. 482-484, Vol. 134, No. 5.

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KHAVINSON et al., "Effects of Livagen Peptide on Chromatin Activation in Lymphocytes from Old People," Bulletin of Experimental Biology and Medicine, October 2002, pp. 389-392, Vol. 134, No. 4.

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KHAVINSON et al., Gerontological Aspects of Genome Peptide Regulation, 2005, S. Karger AG, Basel, Switzerland.

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, Applicants hereby identify the following listed copending applications naming a common inventor(s):

Attorney Docket No.: 3077-6084US
Serial No.: 10/753,510
Filed: 1/7/2004
Title: IMMUNOREGULATORY COMPOSITIONS

Attorney Docket No.: 2183-6400US
Serial No.: 10/817,756
Filed: 4/2/2004
Title: GENE REGULATORY PEPTIDES

Attorney Docket No.: 3077-6384US
Serial No.: 10/821,240
Filed: 4/8/2004
Title: METHODS AND USES FOR PROTEIN BREAKDOWN PRODUCTS

Attorney Docket No.: 3077-6420US
Serial No.: 10/821,256
Filed: 4/8/2004
Title: COMPOSITIONS CAPABLE OF REDUCING ELEVATED BLOOD UREA CONCENTRATION

Attorney Docket No.: 2183-4799.1US
Serial No.: 11/037,972
Filed: 1/18/2005
Title: IMMUNOREGULATOR

Attorney Docket No.: 3077-6418US
Serial No.: 11/243,438
Filed: 10/4/2005
Title: COMPOSITIONS FOR MUCOSAL AND ORAL
ADMINISTRATION COMPRISING HCG FRAGMENTS

Attorney Docket No.: 3077-6420.2US
Serial No.: 11/249,541
Filed: 10/13/2005
Title: COMPOSITIONS CAPABLE OF REDUCING ELEVATED BLOOD
UREA CONCENTRATION

Attorney Docket No.: 3077-7568US
Serial No.: 11/286,571
Filed: 11/23/2005
Title: COMPOUNDS OF THERAPEUTIC VALUE IN THE TREATMENT
OF MULTIPLE SCLEROSIS AND OTHER DISEASES WHEREIN
FOAM CELLS ARE INVOLVED IN THE DISEASE ETIOLOGY

Attorney Docket No.: 3077-7643US
Serial No.: 11/346,450
Filed: 2/2/2006
Title: COMPOSITIONS CAPABLE OF REDUCING ELEVATED BLOOD
UREA CONCENTRATION

Attorney Docket No.: 3077-7568.1US
Serial No.: 11/346,761
Filed: 2/3/2006
Title: COMPOUNDS OF THERAPEUTIC VALUE IN THE TREATMENT
OF MULTIPLE SCLEROSIS AND OTHER DISEASES WHEREIN
FOAM CELLS ARE INVOLVED IN THE DISEASE ETIOLOGY

Attorney Docket No.: 2183-7849US
Serial No.: 11/446,458
Filed: 6/2/2006
Title: METHOD TO DIAGNOSE OR SCREEN FOR INFLAMMATORY
DISEASES

Serial No.: 10/028,075

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,



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Telephone: 801-532-1922

Date: June 30, 2006
ACT/alb

Enclosures: Form PTO/SB/08
Copy of documents cited



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Khan et al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REGULATOR

Confirmation No.: 1102

Examiner: J. Dunston

Group Art Unit: 1636

Attorney Docket No.: 2183-5223US

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

September 25, 2006
Date



Aubry Blackburn
Name (Type/Print)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 2003/0148955	08-2003	Pluenneke
US - 4,427,660	01-1984	Schiffman et al.
US - 4,571,336	02-1986	Houck et al.

Serial No.: 10/028,075

US - 4,753,965	06-1988	Stemerick et al.
US - 5,002,961	03-1991	Dage et al.
US - 5,223,397	06-1993	Pouletty
US - 5,801,193	09-1998	Ojo-Amaize et al.
US - 5,942,494	08-1999	Ginsberg et al.
US - 5,972,924	10-1999	Keep et al.
US - 6,051,596	04-2000	Badger
US - 6,075,150	06-2000	Wang et al.
US - 6,235,281	05-2001	Stenzel et al.
US - 6,310,041	10-2001	Haddox et al.
US - 6,630,138	10-2003	Gerlitz et al.
US - 6,831,057	12-2004	Baldwin et al.

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
WO 98/34631 A1	08-1998	Thomas Jefferson University
WO 2001/83554 A2	11-2001	Praecis Pharmaceuticals Incorporated et al.

Other Documents

ABRAHAM, E., "Coagulation Abnormalities in Acute Lung Injury and Sepsis," Am. J. Respir. Cell Mol. Biol., 2000, pp. 401-404, Vol. 22.

ADIB-CONQUY et al., "NF-kappaB Expression in Mononuclear Cells in Patients with Sepsis Resembles That Observed in Lipopolysaccharide Tolerance," Am. J. Respir. Crit. Care Med., 2000, pp. 1877-1883, Vol. 162.

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MCDONALD et al., "Interleukin-15 (IL-15) Induces NF-kappaB Activation and IL-8 Production in Human Neutrophils," *Blood*, 15 December 1998, pp. 4828-4835, Vol. 92, No. 12.

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TRAYSTMAN, R., "Animal Models of Focal and Global Cerebral Ischemia," *ILAR Journal*, 2003, pp. 85-95, Vol. 44, No. 2.

WEINBERGER et al., "Mechanisms Mediating the Biologic Activity of Synthetic Proline, Glycine, and Hydroxyproline Polypeptides in Human Neutrophils," *Mediators of Inflammation*, 2005, pp. 31-38, Vol. 1.

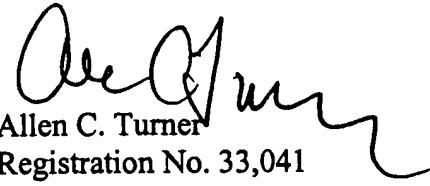
YANG et al., "Increased cortical nuclear factor kappaB (NF-kappaB) DNA binding activity after traumatic brain injury in rats," *Neuroscience Letters*, 1995, pp. 101-104, Vol. 197.

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, Applicants hereby identify the following listed copending applications naming a common inventor(s):

Attorney Docket No.: 2183-7350.1US
Serial No.: 11/481,423
Filed: 7/5/2006
Title: TREATMENT FOR TUMORS

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of the first Office Action on the merits subsequent to the filing of an RCE in the above-identified application.

Respectfully submitted,



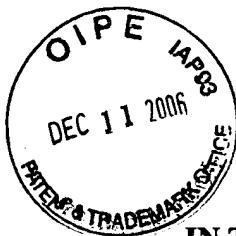
Allen C. Turner
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Telephone: 801-532-1922

Date: September 25, 2006

ACT/alb

Enclosures: Form PTO/SB/08
Cited Non-U.S. Patent Documents

Document in ProLaw



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Khan et. al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REGULATOR

Examiner: T. McKelvey

Group Art Unit: 1632

Attorney Docket No.: 2183-5223US

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

January 7, 2004
Date

Betty Vowles
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Betty Vowles
Name (Type/Print)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US- 4,977,244	12-11-1990	Muchmore et al.
US- 5,677,275	10-14-1997	Lunardi-Iskandar et al.
US- 5,877,148	03-02-1999	Lunardi-Iskandar et al.
US- 5,958,413	09-28-1999	Anagnostopoulos et al.
US- 5,997,871	12-07-1999	Gallo et al.
US- 6,319,504 B1	11-20-2001	Gallo et al.
US- 2003/0049273 A1	03-13-2003	Gallo et al.
US- 6,583,109 B1	06-24-2003	Gallo et al.
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US- 6,620,416 B1	09-16-2003	Gallo et al.
US- 2002/0064501	05-30-2002	Khan et al.
US- 2002/0041871	04-11-2002	Brudnak
US-5,851,997	12-22-1998	Harris
US- 6,489,296	12-03-2002	Grinnell et al.

Foreign Patent Documents

<u>Document No.</u>	<u>Publication Date</u>	<u>Patentee</u>
EP 1 300 418	04-09-2003	Erasmus Universiteit Rotterdam
WO 98/35691	08-20-1998	Proscript, Inc.
WO 02/085117	10-31-2002	Eisai Co., Ltd.
DE 3715662	11-19-1987	The Wellcome Foundation Ltd.
DE 19953339	05-17-2001	Goldham Pharma GmbH
96/04008	02-15-1996	Government of the United States
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MUCHMORE et al., Purification and Characterization of a Mannose-Containing Disaccharide Obtained from Human Pregnancy Urine, *Journal of Experimental Medicine*, December 1984, pp. 1672-85, Volume 160.

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56 & 1.175, Applicants offer hereby identifies the following listed copending applications naming the same inventor(s):

Attorney Docket No.: 3077-5951US
Serial No.: 10/409,027
Filing Date: 4/8/2003
Title: TREATMENT OF TRANSPLANT SURVIVAL

Attorney Docket No.: 3077-5952US
Serial No.: 10/409,032
Filing Date: 4/8/2003
Title: TREATMENT OF TRAUMA

Attorney Docket No.: 3077-5953US
Serial No.: 10/409,630
Filing Date: 4/8/2003
Title: TREATMENT OF MULTIPLE SCLEROSIS

Attorney Docket No.: 3077-5957US
Serial No.: 10/409,642
Filing Date: 4/8/2003
Title: TREATMENT OF ISCHEMIC EVENTS

Attorney Docket No.: 3077-5958US
Serial No.: 10/409,654
Filing Date: 4/8/2003
Title: TREATMENT OF NEUROLOGICAL DISORDERS

Attorney Docket No.: 3077-5960US
Serial No.: 10/409,657
Filing Date: 4/8/2003
Title: STRATIFICATION

Attorney Docket No.: 3077-5956US
Serial No.: 10/409,659
Filing Date: 4/8/2003
Title: PEPTIDE COMPOSITIONS

Attorney Docket No.: 3077-5959US
Serial No.: 10/409,668
Filing Date: 4/8/2003
Title: ADMINISTRATION OF GENE-REGULATORY PEPTIDES

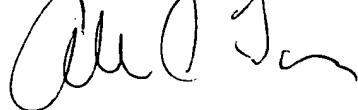
Attorney Docket No.: 3077-5955US
Serial No.: 10/409,671
Filing Date: 4/8/2003
Title: TREATMENT OF IATROGENIC DISEASE

Attorney Docket No.: 3077-5954US
Serial No.: 10/409,694
Filing Date: 4/8/2003
Title: TREATMENT OF BURNS

Attorney Docket No.: 3077-4618.1US
Serial No.: 10/678,995
Filing Date: 10/3/2003
Title: IMMUNOREGULATOR

This Supplemental Information Disclosure Statement is filed before the mailing date of the first Office Action on the merits; however, should a fee be required, please debit Deposit Account No. 20-1469.

Respectfully submitted,



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Date: January 7, 2004
ACT/bv
Enclosures: Form PTO/SB/08

Document in ProLaw



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Khan et al.

Serial No.: 10/028,075

Filed: December 21, 2001

For: GENE REGULATOR

Confirmation No.: 1102

Examiner: J. Dunston

Group Art Unit: 1636

Attorney Docket No.: 2183-5223US

NOTICE OF EXPRESS MAILING

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO/SB/08 be considered by the Examiner and made of record. Copies of any cited foreign patents, publications, or pending unpublished U.S. applications are enclosed pursuant to 37 C.F.R. § 1.98(a)(2).

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,855,285	08-1989	Stevens
US - 5,994,126	11-1999	Steinman et al.
US - 6,150,500	11-2000	Salerno
US - 2004/0208885 A1	10-2004	Khan et al.
US - 6,844,315	01-2005	Khan et al.
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NGO et al., The protein folding problem and tertiary structure prediction, 1994, pp. 492-94.

PELLIZZARI et al., FEBS Letters, 1999, pp. 199-204, Vol. 462.

This Supplemental Information Disclosure Statement is believed to be filed before the mailing date of a first Office Action on the merits; therefore, no fee is due.

Serial No.: 10/028,075

Respectfully submitted,



Allen C. Turner

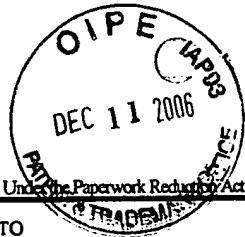
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Telephone: 801-532-1922

Date: November 1, 2006

ACT/bv

Enclosures: Form PTO/SB/08
Cited Non-U.S. Patent Documents

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PTO/SB/08A (10-01)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

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Attorney Docket Number

Complete if Known

Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et al.
Group Art Unit	1636
Examiner Name	J. Dunston

2183-5223US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-2003/0148955	08-2003	Pluenneke	
		US- 4,427,660	01-1984	Schiffman et al.	
		US- 4,571,336	02-1988	Houck et al.	
		US- 4,753,965	06-1988	Stemerick et al.	
		US- 5,002,961	03-1991	Dage et al.	
		US- 5,223,397	06-1993	Pouletty	
		US- 5,801,193	09-1998	Ojo-Amaize et al.	
		US- 5,942,494	08-1999	Ginsberg et al.	
		US- 5,972,924	10-1999	Keep et al.	
		US- 6,051,598	04-2000	Badger	
		US- 6,075,150	06-2000	Wang et al.	
		US- 6,235,281	05-2001	Stenzel et al.	
		US- 6,310,041	10-2001	Haddox et al.	
		US- 6,630,138	10-2003	Gerlitz et al.	
		US- 6,831,057	12-2004	Baldwin et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 98/34631 A1	08-1998	Thomas Jefferson University		
		WO 2001/83554 A2	11-2001	Praecis Pharmaceuticals Incorporated et al.		

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

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3

Complete if Known

Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et al.
Group Art Unit	1636
Examiner Name	J. Dunston
Attorney Docket Number	2183-5223US

NON PATENT LITERATURE DOCUMENTS

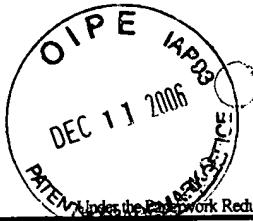
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ABRAHAM, E., "Coagulation Abnormalities in Acute Lung Injury and Sepsis," Am. J. Respir. Cell Mol. Biol., 2000, pp. 401-404, Vol. 22.	
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		EPINAT et al., "Diverse agents act at multiple levels to inhibit the Rel/NF-kappaB signal transduction pathway," Oncogene, 1999, pp. 6896-6909, Vol. 18.	
		FAUST et al., "Disseminated intravascular coagulation and purpura fulminans secondary to infection," Bailliere's Clinical Haematology, 2000, 179-197, Vol. 13. No. 2.	
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Examiner Signature	Date Considered
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Application Number	10/028,075
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Examiner Name	J. Dunston
Attorney Docket Number	2183-5223US

U.S. PATENT DOCUMENTS

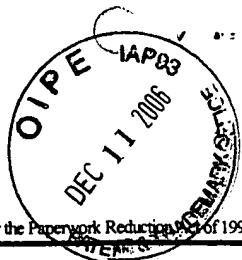
FOREIGN PATENT DOCUMENTS

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Group Art Unit	1636
Examiner Name	J. Dunston
Attorney Docket Number	2183-522311S

NON PATENT LITERATURE DOCUMENTS

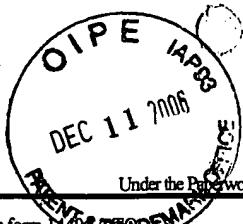
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CUI et al., Am. J. Physiol. Integr. Comp. Physiol., 2004, pp. R699-R709, Vol. 286.	
		DWINNELL et al., Atlas of Diseases of the Kidney, Blackwell Sciences, 1999, pp. 12.1-12.12, Ch. 12.	
		KALNS et al., Biochem. Biophys. Res. Comm., 2002, pp. 506-09, Vol. 297.	
		KALNS et al., Biochem. Biophys. Res. Comm., 2002, pp. 41-44, Vol. 292.	
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		Merriam-Webster Medical Dictionary, 1994, p. 82.	
		MOAYERI et al., Journal of Clinical Investigation, September 2003, pp. 670-82, Vol. 112, No. 5.	
		NGO et al., The protein folding problem and tertiary structure prediction, 1994, pp. 492-94.	
		PELLIZZARI et al., FEBS Letters, 1999, pp. 199-204, Vol. 462.	

Examiner Signature	Date Considered
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Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et. al.
Group Art Unit	1632
Examiner Name	T. McKelvey
Attorney Docket Number	2183-5223US

U.S. PATENT DOCUMENTS

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		US- 4,977,244	12-11-1990	Muchmore et al.	
		US- 5,677,275	10-14-1997	Lunardi-Iskandar et al.	
		US- 5,877,148	03-02-1999	Lunardi-Iskandar et al.	
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		US- 2002/0064501	05-30-2002	Khan et al.	
		US- 2002/0041871	04-11-2002	Brudnak	
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		US- 6,489,296	12-03-2002	Grinnell et al.	

FOREIGN PATENT DOCUMENTS

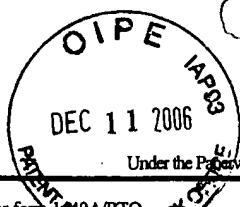
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP 1 300 418	04-09-2003	Erasmus Universiteit Rotterdam		
		WO 98/35691	08-20-1998	Proscript, Inc.		
		WO 02/085117	10-31-2002	Eisai Co., Ltd.		
		DE 3715662	11-19-1987	The Wellcome Foundation Ltd.		
		DE 19953339	05-17-2001	Goldham Pharma GmbH		
		96/04008	02-15-1996	Government of the United States		
		97/49373	12-31-1997	University of Maryland Biotechnology Institute		
		97/49418	12-31-1997	University of Maryland Biotechnology Institute		
		97/49432	12-31-1997	University of Maryland Biotechnology Institute		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2 of 2

Complete if Known

Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et. al.
Group Art Unit	1632
Examiner Name	T. McKelvey
Attorney Docket Number	2183-5223US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

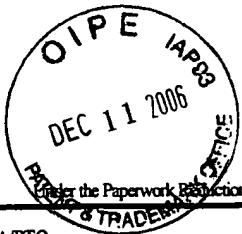
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		MUCHMORE et al., Purification and Characterization of a Mannose-Containing Disaccharide Obtained from Human Pregnancy Urine, <i>Journal of Experimental Medicine</i> , December 1984, pp. 1672-85, Volume 160.	

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Sheet

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of

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Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et al.
Group Art Unit	1636
Examiner Name	J. Dunston
Attorney Docket Number	2183-5223US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		YANG et al., "Increased cortical nuclear factor kappaB (NF-kappaB) DNA binding activity after traumatic brain injury in rats," Neuroscience Letters, 1995, pp. 101-104, Vol. 197.	

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/028,075
		Filing Date	12/21/2001
		First Named Inventor	Khan et al.
		Group Art Unit	To be assigned
		Examiner Name	To be assigned
		Attorney Docket Number	2183-5223US
Sheet	1	of	2

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		Filing Date	12/21/2001
		First Named Inventor	Khan et al.
		Group Art Unit	To be assigned
		Examiner Name	To be assigned
		Attorney Docket Number	2183-5223US
Part	Sheet	2	of 2

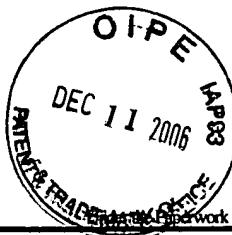
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Sheet 1 of 2

<i>Complete if Known</i>	
Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et al.
Group Art Unit	1636
Examiner Name	T. McKelvey
Attorney Docket Number	2183-5223US

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Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number		10/028,075	
		Filing Date		December 21, 2001	
		First Named Inventor		Khan et al.	
		Group Art Unit		1636	
		Examiner Name		T. McKelvey	
Sheet	2	of	2	Attorney Docket Number	2183-5223US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
		KACHRA et al., "Low Molecular Weight Components but Not Dimeric HCG Inhibit Growth and Down-Regulate AP-1 Transcription Factor in Kaposi's Sarcoma Cells," <i>Endocrinology</i> , 1997, pp. 4038-4041, vol. 138, no. 9.		
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		MOROZOV et al., "Natural and Synthetic Thymic Peptides as Therapeutics for Immune Dysfunction," <i>Int. J. Immunopharmac.</i> , 1997, pp. 501-505, Vol. 19, No. 9/10.		
		KHAVINSON et al., "Inductive Activity of Retinal Peptides," <i>Bulletin of Experimental Biology and Medicine</i> , November 2002, pp. 482-484, Vol. 134, No. 5.		
		KHAVINSON et al., "Effects of Short Peptides on Lymphocyte Chromatin in Senile Subjects," <i>Bulletin of Experimental Biology and Medicine</i> , January 2004, pp. 78-81, Vol. 137, No. 1.		
		KHAVINSON et al., "Effects of Livagen Peptide on Chromatin Activation in Lymphocytes from Old People," <i>Bulletin of Experimental Biology and Medicine</i> , October 2002, pp. 389-392, Vol. 134, No. 4.		
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		KHAVINSON et al., <i>Gerontological Aspects of Genome Peptide Regulation</i> , 2005, S. Karger AG, Basel, Switzerland.		

Examiner Signature		Date Considered
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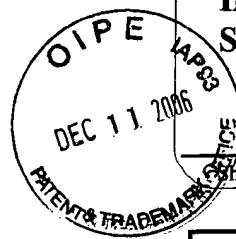
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/028,075
<i>(use as many sheets as necessary)</i>		Filing Date	December 21, 2001
		First Named Inventor	Khan et al.
		Group Art Unit	To be assigned
		Examiner Name	To be assigned
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		Attorney Docket Number	



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1 of 2

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

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Sheet

2 of 2

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Application Number	10/028,075
Filing Date	December 21, 2001
First Named Inventor	Khan et al.
Group Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	2183-5223US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

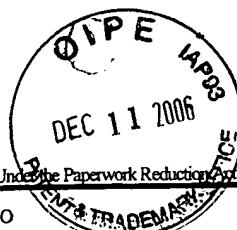
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		PCT International Search Report, PCT/NL01/00259, dated December 18, 2001, 3 pages.	
		PCT International Preliminary Examination Report, PCT/NL99/00313, dated July 21, 2000, 6 pages.	
		PCT International Search Report, PCT/EP99/00313, dated November 29, 1999, 3 pages.	
		Lang et al., "Induction of apoptosis in Kaposi's sarcoma spindle cell cultures by the subunits of human chorionic gonadotropin", <u>AIDS</u> 1997, Vol. 11, No. 11, pp.1333-1340.	
		Iskandar et al., "Effects of a urinary factor from women in early pregnancy on HIV-1. SIV and associated disease", <u>Nature Medicine</u> , April 1998, Vol. 4, No. 4, pp. 428-434.	

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Attorney Docket Number	2183-5223US

Attorney Docket Number 2183-5223US

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US-5,380,668	01-10-1995	Herron	
		US- 2003/0186244 A1	10-02-2003	Margus et al.	
		US- 2003/0113733 A1	06-19-2003	Khan et al.	
		US- 2003/0119720 A1	06-26-2003	Khan et al.	
		US- 2002/0064501 A1	05-30-2002	Khan et al.	
		US- 2003/0166556 A1	09-04-2003	Khan et al.	
		US- 2003/0215434 A1	11-20-2003	Khan et al.	
		US- 2003/0219425 A1	11-27-2003	Khan et al.	
		US- 2003/0220257 A1	11-27-2003	Benner et al.	
		US- 2003/0220258 A1	11-27-2003	Benner et al.	
		US- 2003/0220259 A1	11-27-2003	Benner et al.	
		US- 2003/0220260 A1	11-27-2003	Khan et al.	
		US- 2003/0220261 A1	11-27-2003	Khan et al.	
		US- 2003/0224995 A1	12-04-2003	Khan et al.	
		US- 2004/0013661 A1	01-22-2004	Wensvoort et al.	
		US-			

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